

FIG. 1

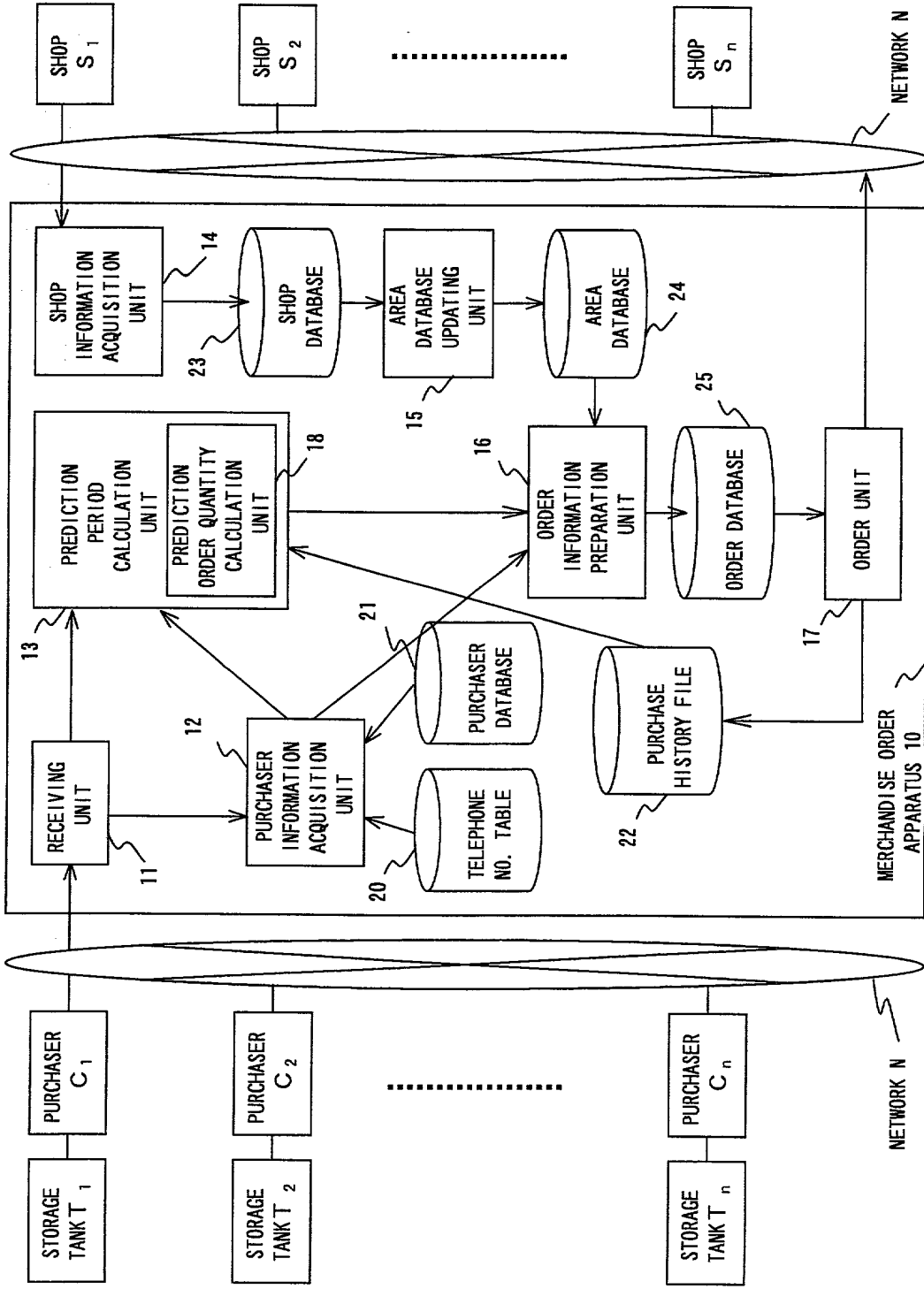


FIG. 2

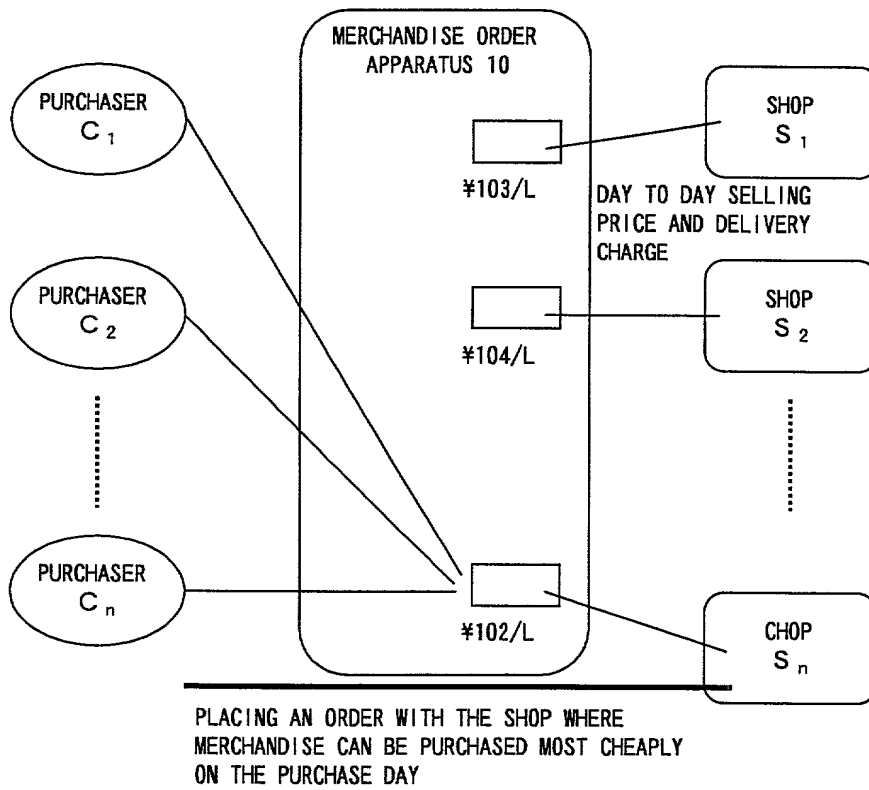


FIG. 3

FIG. 4

TELEPHONE NO. TABLE 20

TELEPHONE NO.	PURCHASER NO.
xx-xxxx-xxxx	0 0 0 0 1
xx-oooo-xxxx	0 0 0 0 2
xo-xxxx-oooo	0 0 0 0 3
oo-oooo-xxxx	0 0 0 0 4
:	:

FIG. 4

FIG. 5

PURCHASER DATABASE 21

PURCHASER NO.	PURCHASER NAME	PURCHASER ADDRESS	ADJUSTMENT COEFFICIENT	TANK CAPACITY (FULL)
00001	○○○△△	1-2-3 ××××, TOKYO	0.5	250 ℓ
00002	△△△△△△	31-6 ××××, TOKYO	0.8	198 ℓ
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

FIG. 5

PURCHASE HISTORY FILE 22

PURCHASER NO.	PREVIOUS PURCHASE DATE	CURRENT PURCHASE DATE
00001	2000. 1. 15	2000. 2. 10
00002	2000. 1. 4	2000. 2. 5
:	:	:

F I G. 6

SHOP SELLING PRICE TABLE 26

SHOP NO.	SHOP NAME	DELIVERY CHARGE	PRICE FLUCTUATION TABLE OF THIS MONTH			PRICE FLUCTUATION TABLE OF THE NEXT MONTH		
			1ST	2ND	...	31ST	1ST	2ND
00001	SHOP A	¥ XX	¥ YYY	¥ YYY	...	¥ ZZZ	¥ ZZZ	¥ 000
								¥ PPP

SHOP DELIVERY CHARGE TABLE 27

DELIVERY CHARGE FOR EACH AREA				
SHOP NO.	SHOP NAME	AREA A	AREA B	...
00001	SHOP A	¥ CCC	¥ VVV	...
				¥ KKK

FIG. 7

AREA SELLING PRICE TABLE 28

SHOP NAME	DELIVERY CHARGE	PRICE FLUCTUATION TABLE OF THIS MONTH			PRICE FLUCTUATION TABLE OF THE NEXT MONTH		
		1ST	2ND	31ST	1ST	2ND	31ST
SHOP A	¥ XX	¥ YYY	¥ YYY	¥ ZZZ	¥ ZZZ	¥ 000	¥ PPP
SHOP B	¥ LL	¥ MMM	¥ NNN	¥ NNN	¥ QQQ	¥ QQQ	¥ RRR

AREA DELIVERY CHARGE TABLE 29

SHOP NAME	DELIVERY CHARGE FOR EACH AREA			
	AREA A	AREA B	...	AREA Z
SHOP A	¥ CCC	¥ VVV	...	¥ KKK
SHOP B	¥ LLL	¥ EEE	...	¥ UUU
.

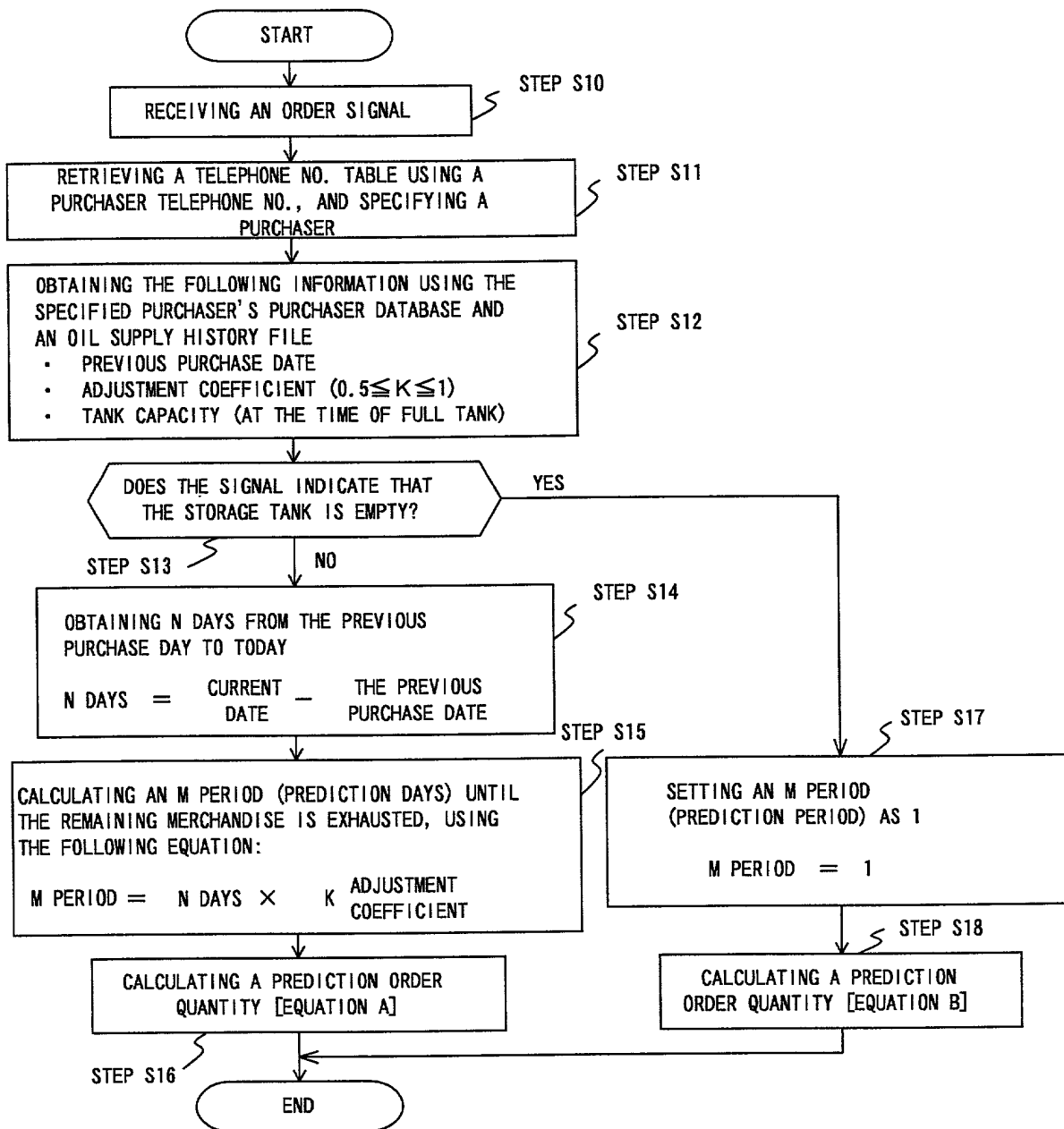
FIG. 8

AREA DATABASE 24

ORDER DATABASE 25

PURCHASER NO.	SHOP NAME	SCHEDULED PURCHASE DATE	ORDERED/ NOT-ORDERED	PREDICTION ORDER QUANTITY
00001	SHOP A	2000. 2. 20	NOT-ORDERED	150 ℓ
00002	SHOP B	2000. 1. 25	ORDERED	170 ℓ
:	:	:	:	:

F I G. 9



[EQUATION A]
CALCULATING A PREDICTION ORDER
QUANTITY WHEN THE MERCHANDISE
REMAINING QUANTITY IS HALF

MERCHANDISE CONSUMPTION QUANTITY PER
ONE DAY : F

$$F = \frac{\text{FULL TANK } (Q)}{2} \div N \text{ DAYS}$$

PREDICTION ORDER QUANTITY : R

$$R = \frac{\text{FULL TANK } (Q)}{2} + M \text{ DAYS} \times F$$

[EQUATION A]
CALCULATING A PREDICTION ORDER
QUANTITY WHEN THE MERCHANDISE
REMAINING QUANTITY IS ZERO

PREDICTION ORDER : R

$$R = \text{FULL TANK } (Q)$$

FIG. 10

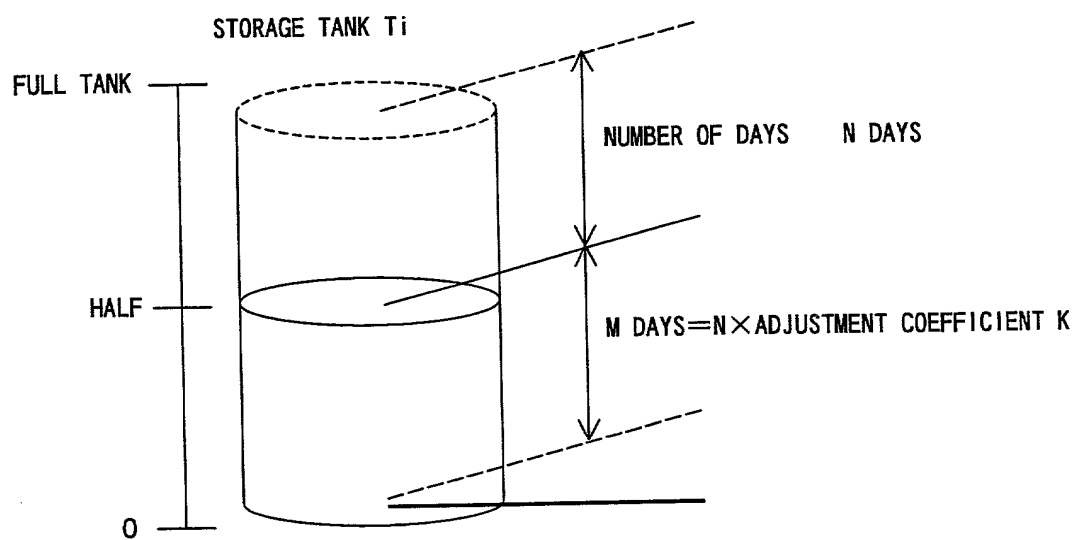


FIG. 11

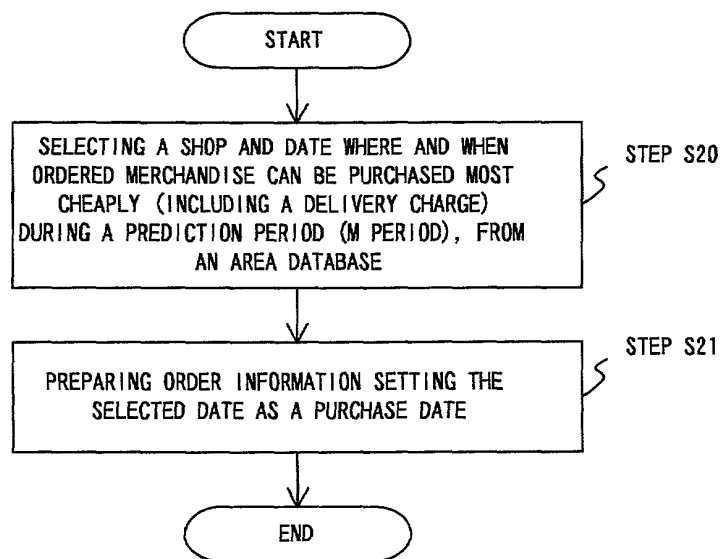


FIG. 12

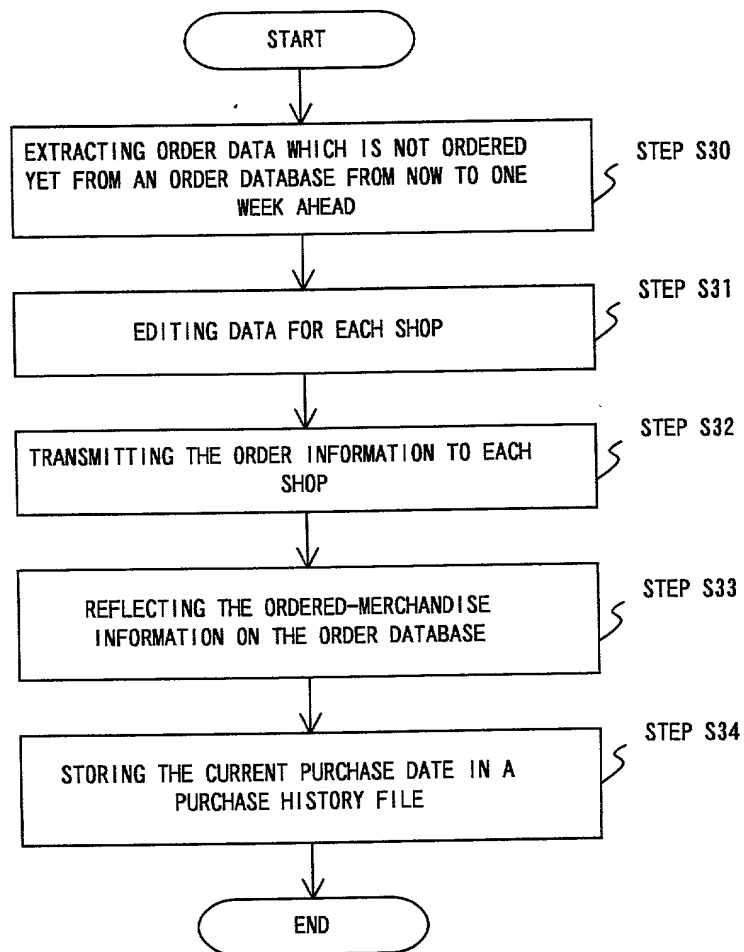


FIG. 13

FIG. 14

TO SHOP A			
PURCHASER NAME	ORDER DATE	ADDRESS	PREDICTION ORDER QUANTITY
TO SHOP B			
PURCHASER NAME	ORDER DATE	ADDRESS	PREDICTION ORDER QUANTITY
MR. ○○○△△△	2000. 2. 10	1-2-3 ××××, TOKYO	100 ℓ
MR. △△△△△△	2000. 2. 5	31-6 ××××, TOKYO	150 ℓ
.	.	.	.
.	.	.	.

FIG. 14

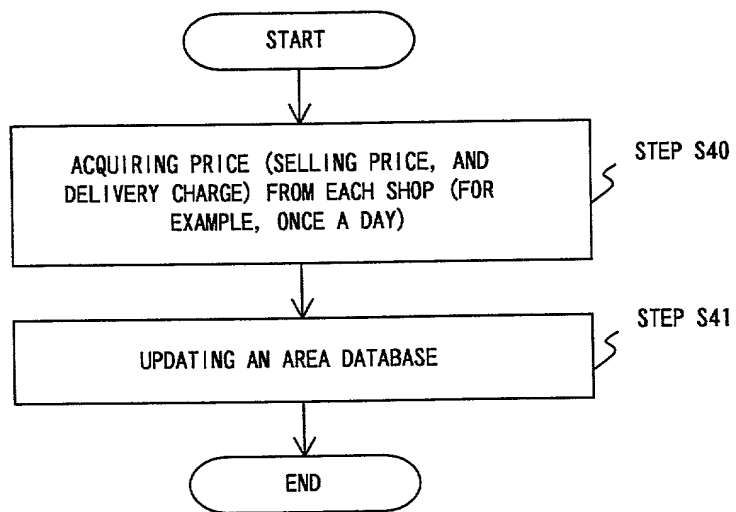


FIG. 15

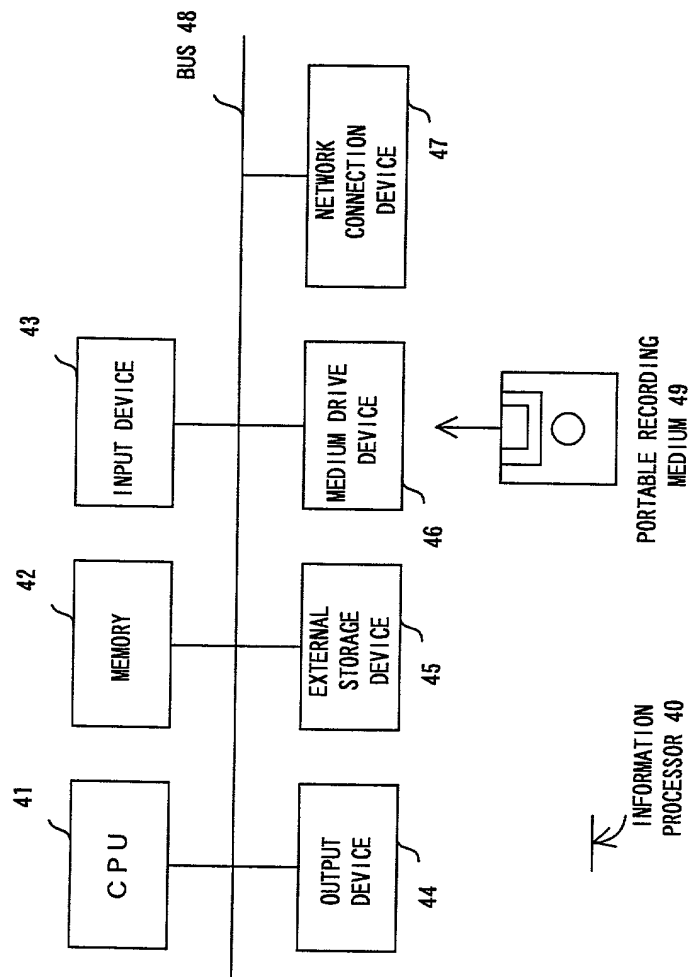


FIG. 16

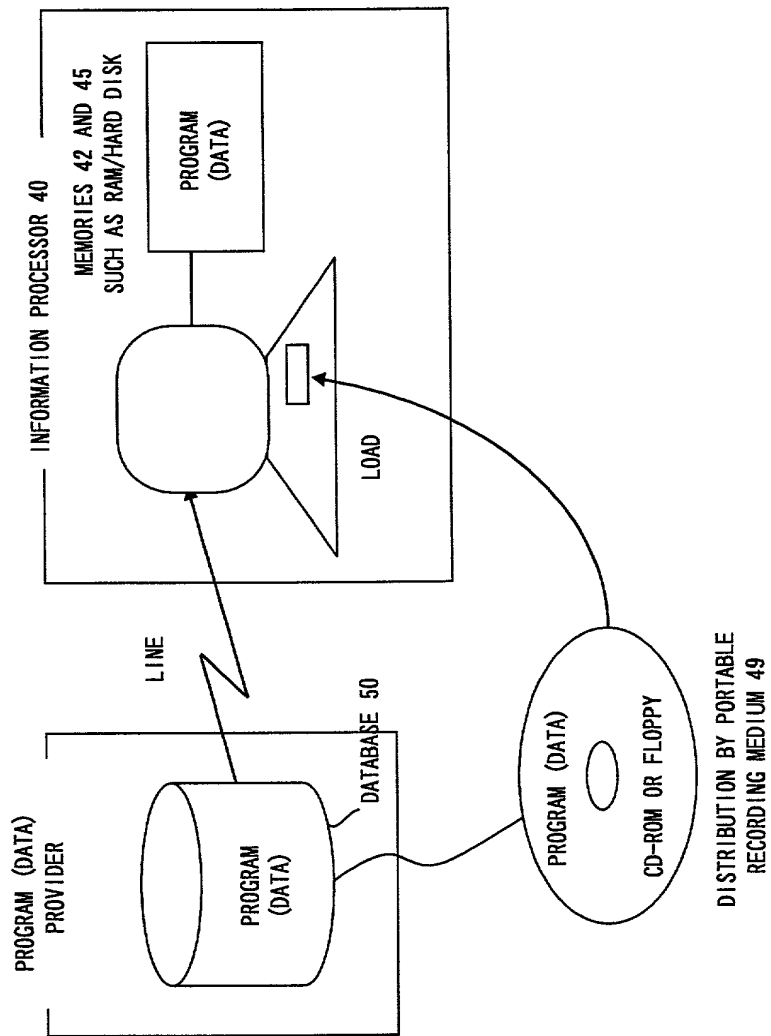


FIG. 17